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| 10/085,010      | 03/01/2002  | Pekka Kostiainen     | 042933/301626       | 1138             |

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| EXAMINER |
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PHU, SANH D

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| ART UNIT | PAPER NUMBER |
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2618

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10/12/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/085,010

Applicant(s)

KOSTIAINEN ET AL.

Examiner

Sanh D. Phu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 25 September 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 12-31 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 23 is/are allowed.
- 6) ☒ Claim(s) 12, 15-19, 22, 24, 25, 27-29 and 31 is/are rejected.
- 7) ☒ Claim(s) 13, 14, 20, 21, 26, 30 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

1. This Office Action is responsive to the Amendment filed on 9/25/07.

Accordingly, claims 12-31 are currently pending; and claims 1-11, 32 and 33 are canceled.

### *Claim Rejections – 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

3. Claims 12, 15-19, 22, 24, 25, 27-29 and 31 are rejected under 35 U.S.C. 102(a) as being anticipated by Lindholm (EP 1091540), newly-cited.

–Regarding claim 12, see figures 2-4, 10-12, and page 3, lines 19-48, page 4, line 51 to page 6, line 2), Lindholm discloses a method of operating electrical circuitry (comprising IDENTIFICATION (10) or (20)) (see figures 2 and 10) included in an user exchangeable cover part (21 or 22)

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(see figures 3 and 4) for supporting a user interface of a wireless terminal (comprising (18, 19) (see figure 2)), the user interface comprising a display screen device (3, 13) (see figure 2), (considered here equivalent with the limitation "display screen"), the wireless communication terminal and the user exchangeable cover part being electrically interconnected by means of an electrical connector (see (23, 25) of figure 10), the method comprising:

    procedure (comprising (18, 20)) of identifying a type of the user exchangeable cover part (see (203, 205) of figure 12, and page 5, line 42 to page 6, line 2); and

    procedure of (comprising (18, 20)) of operating the electrical circuitry of the user exchangeable cover part in dependence upon the identification of the user exchangeable cover part (see (206) of figure 12, and page 5, line 42 to page 6, line 2);

    wherein the electrical circuitry that is operated in dependence upon the identification of the user exchangeable cover part comprises circuitry (31) (see figure 11) for supporting the user interface of the wireless terminal and circuitry (32, 33, 37, 38, 39) (see figure 11) in addition to or other than

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circuitry (13) (see figure 2) included within the display screen device (3, 13)

(see (203, 205, 204) of figure 12, page 5, line 3 to page 6, line 2).

–Regarding claim 15, as similarly applied to claim 12 set forth above and herein incorporated, see figures 2–4, 10–12, and page 3, lines 19–48, page 4, line 51 to page 6, line 2), Lindholm discloses a wireless communication terminal including an user exchangeable cover part (21 or 22) (see figures 3 and 4) and a display screen device (3, 13) (see figure 2), wherein the wireless communication terminal (comprising (18, 19) (see figure 2)), and user exchangeable cover part are electrically interconnected by means of a electrical connector (see (23, 25) of figure 10) wherein:

the user exchangeable cover part comprises an identification means (comprising (31) (see figure 11) (see figure 11) for identifying the cover part, and electrical circuitry (32, 33, 37, 38, 39) (see figure 11) for supporting a user interface of the wireless terminal, the electrical circuitry comprising circuitry (32, 33, 37, 38, 39) in addition to or other than electrical circuitry included within the display screen (3, 13) (see (203, 205, 204) of figure 12, page 5, line 3 to page 6, line 2);

the wireless terminal identifies the user exchangeable cover part by detecting the identification means (see (203, 205) of figure 12, and page 5, line 42 to page 6, line 2); and

the wireless terminal operates the electrical circuitry of the user exchangeable cover part, including the circuitry (18) (see figure 2) for supporting the user interface, in dependence of the identification means of the user exchangeable cover part (see (206) of figure 12, and page 5, line 42 to page 6, line 2).

–Regarding claim 16, Lindholm discloses that the connector includes a plurality of connector pins (24) arranged in line and separated by an equal distance (see figure 10, and pages 4, lines 51–58).

–Regarding claim 17, in Lindholm, the connector pins are arranged inherently at a rear side of the cover part so that they are not seen in the front side of the cover part (see figure 3 or 4).

–Regarding claim 18, Lindholm discloses that a number of the connector pins is three (see figure 10).

–Regarding claim 19, Lindholm discloses that the total number of the

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connector pins is 6 (see col. 4, lines 52–58), (the total number of the connector pins considered here encompassing the limitation “a number of the connector pins is 5).

–Regarding claim 22, as similarly applied to claims 12, 15–19, set forth above and herein incorporated, see figures 2–4, 10–12, and page 3, lines 19–48, page 4, line 51 to page 6, line 2), Lindholm discloses a user exchangeable cover part (21 or 22) (see figures 3 and 4) for releasable attachment to a wireless communication terminal (comprising (18, 19) (see figure 2)), the wireless terminal comprising a user interface including a display screen (3, 13) (see figure 2), comprising:

an electrical connector part (see (23, 25) of figure 10) for electrically connecting to the wireless communication terminal in an attached position including identification means for identifying the cover part; and

electrical circuitry (20) (see figure 10) for supporting the user interface of the wireless terminal, the electrical circuitry comprising circuitry (31, 32, 33, 37, 38, 39) in addition to or other than electrical circuitry (13) (see figure 2) included within the display screen (3, 13);

wherein the user exchangeable cover part allows the wireless communication terminal to operate the electrical circuitry of the user exchangeable cover part, including the electrical circuitry for supporting the user interface, in dependence upon the identification means of the user exchangeable cover part (see (206) of figure 12, and page 5, line 42 to page 6, line 2).

—Regarding claim 24, as similarly applied to claims 12, 15–19, 22, set forth above and herein incorporated, see figures 2–4, 10–12, and page 3, lines 19–48, page 4, line 51 to page 6, line 2,. Lindholm discloses an exchangeable cover part (21 or 22) (see figures 3 and 4) for releasable attachment to a wireless communication terminal (comprising (18, 19) (see figure 2)) comprising:

a user input device (comprising (2)) (see figure 3 or 4);  
electrical circuitry (20) (see figure 10) for detecting, that the exchangeable cover part is properly mounted on the wireless communication terminal, by receiving a request from (18) of the wireless communication terminal (see (202, 203) of figure 12), namely, by then the user input device is



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properly mounted on the wireless communication terminal and in cooperating with respective ones of the a plurality of switches (see col. 2, lines 23–34), the electrical circuitry further producing a signal “ID RESPONSE”, (see (205) of figure 12), indicative of the exchangeable cover part properly mounted on the wireless communication terminal, or namely, indicative of the user input device in properly cooperating with the respective ones of the a plurality of switches since the user input device is uniquely associated with the exchangeable cover part (see figure (3) or (4)), (the electrical circuitry considered here equivalent with the limitation “electrical circuitry for detecting operation of the user input device for producing a signal indicative of the detected operation of the user input device”); and

an electrical connector (see (23, 25) of figure 10) for electrically connecting the electrical circuitry to the wireless communication terminal, wherein the electrical connector is configured to transmit the signal (“RESPONSE” or “ID RESPONSE”) (see (203, 205) of figure 12) to the wireless communication terminal.

–Regarding claim 25, Lindholm discloses that the user input device

comprises a keypad (2) (see figure 3 or 4).

–Regarding claim 27, as applied to claim 24, Lindholm discloses that the electrical circuitry comprises a processor (31) for processing the detected operation of the user input device and for outputting the signal indicative of the detected operation of the user input device (see figure 11).

–Regarding claim 28, Lindholm discloses that the electrical connector comprises a plurality of connector pins (see (24) of figure 10).

–Regarding claim 29, as similarly applied to claims 12, 15–19, 22, 24, 25, 27, 28, set forth above and herein incorporated, see figures 2–4, 10–12, and page 3, lines 19–48, page 4, line 51 to page 6, line 2), Lindholm discloses an exchangeable cover part (21 or 22) (see figures 3 and 4) for releasable attachment to a wireless communication terminal (comprising (18, 19) (see figure 2)) comprising:

electrical circuitry (20) (see figure 10) for supporting a user interface of the wireless communication terminal; and

an electrical connector (see (23, 25) of figure 10) for transmitting data between the electrical circuitry and the wireless communication terminal;

wherein the electrical circuitry comprises a memory device (33) (see figure 11) containing data to be downloaded to the wireless communication terminal via the electrical connector.

–Regarding claim 31, Lindholm discloses that the electrical circuitry comprises a processor (31) (see figure 11) configured to process data contained in the memory device.

*Allowable Subject Matter*

4. Claim 23 is allowed.
5. Claims 13, 14, 20, 21, 26 and 30 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

*Response to Arguments*

6. Applicant's arguments filed on 9/25/07 have been fully considered. As results, claims 13, 14, 20, 21, 13, 26 and 30 are indicated allowable as set forth above. Claims 12, 15–19, 22, 24, 25, 27–29 and 31 are deemed not allowable because of reasons set forth above in this Office Action.

*Conclusion*

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sanh D. Phu whose telephone number is (571)272-7857. The examiner can normally be reached on M-Fr from 8:00-16:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew D. Anderson can be reached on (571) 272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Sanh D Phu  
Primary Examiner  
Art Unit 2618

10/02/07

*Sanh D Phu*

SP